

ABSTRACT

An image production apparatus, an image display apparatus and an image display method are disclosed which can reduce the ununiformity in luminance and color which appears on a display screen and can be formed compact. Also optical modulation device adjustment apparatus is disclosed which can detect and correct the ununiformity in modulation characteristic of a modulation device. The image display apparatus includes a light detection apparatus in addition to a light source section, an illumination optical system, an optical modulation section, a spatial filter, a light projection section and a screen. The light detection apparatus detects the dispersion of a modulation characteristic of each pixel element of GLV devices and the ununiformity in luminance and color displayed in accordance with an illumination condition. An optimum driving voltage for minimizing the ununiformity in color and luminance to be displayed is determined based on a signal detected by the light detection apparatus.